

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 December 2001 (27.12.2001)

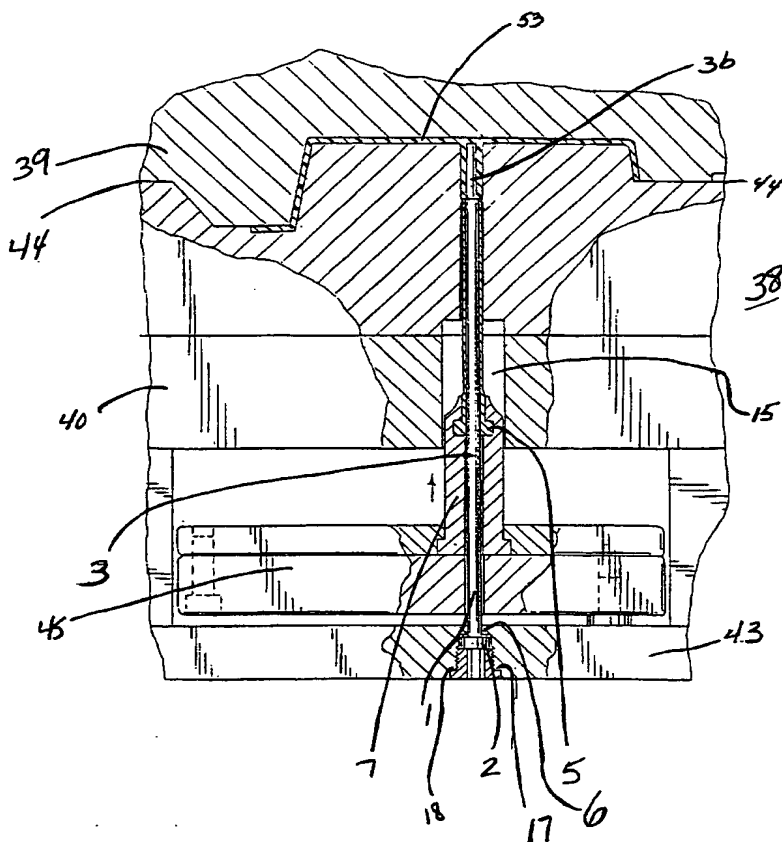
PCT

(10) International Publication Number
WO 01/98056 A1

- (51) International Patent Classification⁷: B29C 45/40
(21) International Application Number: PCT/US01/19744
(22) International Filing Date: 19 June 2001 (19.06.2001)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
60/212,248 19 June 2000 (19.06.2000) US
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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

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(54) Title: A CORE PIN AND SLEEVE AND METHOD OF USING SAME



(57) Abstract: The present invention includes an improved ejector sleeve (5) having thinner side-walls than prior sleeves. The sleeves generally include a ring (31) for mounting the sleeve, a central bore (42) for receiving a core pin (1), a tube portion extending from the ring to a tube end portion. The side-walls defining the tube end portion have a thickness of less than forty thousandths, and preferably thirty thousandths of an inch. Preferably, the coated ejector sleeve is provided in which a thin, lubricous coating of nickel, chromium or alloys of chromium or nickel is applied to at least a portion of the sleeve. The coating is applied in thickness of less than .0001 inch which improves the wear characteristics of the pins and sleeves as well as allowing the coated pins and sleeves to be stocked and used as nominal thickness parts.

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JUL 5 2002

TC 1700

WO 01/98056 A1